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IN THE CLAIMS:

40. (Amended) A signal generating apparatus of an engine comprising:  
a plurality of indicator markers spaced apart from one another and positioned about a periphery of a rotational component;  
a plurality of indexing markers spaced apart from one another and positioned about the periphery of a rotational component;  
wherein the plurality of indexing markers is less in number than that of the plurality of indicator markers and where the plurality of indexing markers are unequally spaced apart;  
a detection apparatus to detect movement of the indexing and indicator marks and enable an engine to start after detecting rotational position regardless of rotational direction; and  
at least three indexing markers wherein a second indexing marker is located at a first angular spacing  $\alpha$  from a first indexing marker and a second angular spacing  $\beta$  from a third indexing marker, where  $\alpha$  is not equal to  $\beta$ .

Please cancel claim 41.

43. (Amended) The signal generating apparatus of claim 40 further comprising a rotatable flywheel having the signal generating apparatus mounted thereto.